Exploring FHIR to Reduce Burden for Quality Measurement

Background for EHR WG

April 20, 2020

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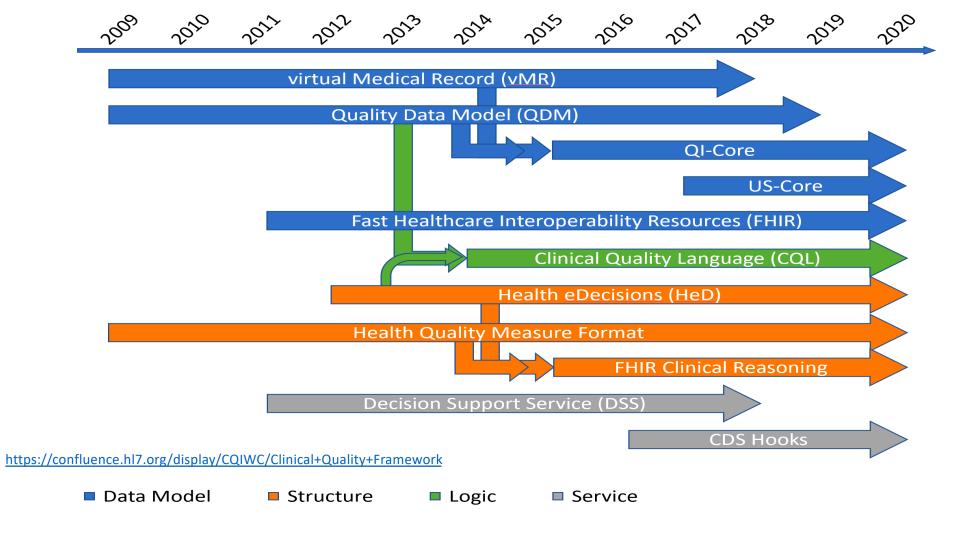
HL7 CQI Co-Chair



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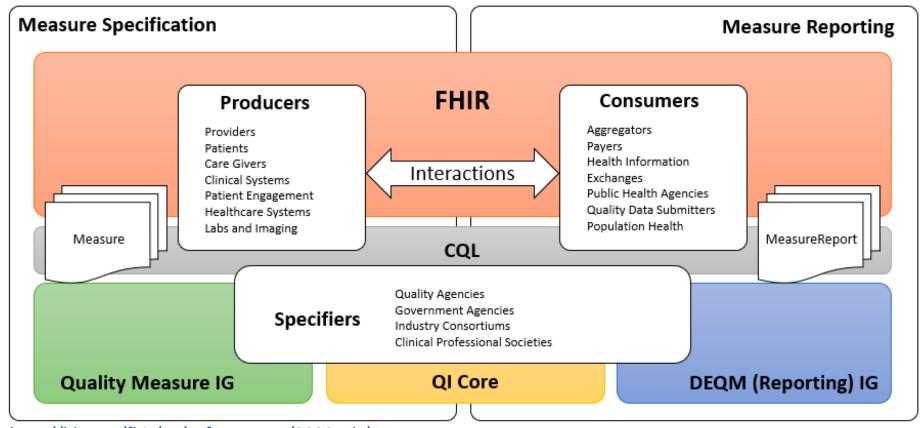
Clinical Quality Framework: Standards Evolution



FHIR Quality Measure Ecosystem

	Through 2018 Reporting Period	Starting 2019 Reporting Period	Proposed Future State
Reporting	QRDA Category I & III		QI-Core / DEQM
Data Model	Quality Data Model (QDM)		QUICK / QI-Core
Measure Logic	QDM	QDM Clinical Quality Language (CQL)	
Measure Structure	Health Quality Measure Format (HQMF)		FHIR Quality Measure IG
Programs	CMS Implementation Guide (QRDA)		CMS Implementation Guide (FHIR)
Transport			DEQM

FHIR Quality Measure Ecosystem



http://hl7.org/fhir/us/cqfmeasures/2020Feb/

FHIR QI-Core



Home QI Core Profiles

Patterns

Extensions

Terminology

Examples Downloads

oads QDM to QI Core

QUICK

Version History

QI-Core Implementation Guide

QI-Core Implementation Guide - This is the current published version.. See the Directory of published versions

1 Quality Improvement Core (QI-Core) Implementation Guide

This STU 4 update to the QI-Core profiles updates to FHIR R4 (technical correction 1 (v4.0.1)) and US-Core STU 3 (v3.1.0). See the version history for a complete list of changes to this version.

1.1 Summary

The QI-Core Implementation Guide defines a set of FHIR profiles with extensions and bindings needed to create interoperable, quality-focused applications. The profiles in this implementation guide derive from and extend the US Core profiles to provide a common foundation for building, sharing, and evaluating knowledge artifacts across quality improvement efforts in the US Realm.

As an HL7 FHIR Implementation Guide, changes to this specification are managed by the sponsoring workgroup, Clinical Quality Information, and incorporated as part of the standard balloting process. The current roadmap follows closely behind the base FHIR roadmap, and the US Core Implementation Guide.

1.2 Contents

This guide is divided into pages which are listed at the top each page in the menu bar:

- Home: The home page provides summary and background information
- · Profiles: The profiles page provides a complete listing of all the profiles defined in or used by QI-Core
- Patterns: The patterns page describes patterns of usage for QI-Core applications
- Extensions: The extensions page lists all the extensions defined as part of QI-Core
- Terminology: The terminology page lists all terminology defined as part of QI-Core
- Examples: The examples page provides an index of all the examples defined as part of QI-Core
- · Downloads: Downloads for definitions, examples, as well as the entire IG
- QDM-to-QI-Core Mapping: This page provides a detailed description of mapping from QDM to QI-Core
- QUICK: This page provides an author-focused view of the QI-Core profiles

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1 Quality Improvement Core (QI-Core) Implementation Guide

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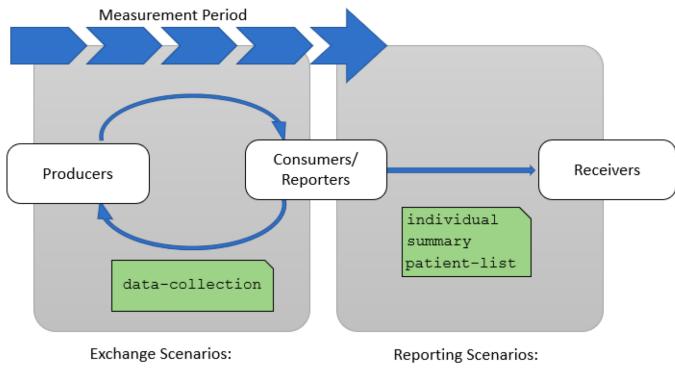
http://hl7.org/fhir/us/qicore/

FHIR Clinical Reasoning Quality Measure IG

	Through 2018 Reporting Period	Starting 2019 Reporting Period	Proposed Future State
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FHIR Clinical Reasoning Data Exchange for Quality Measures IG



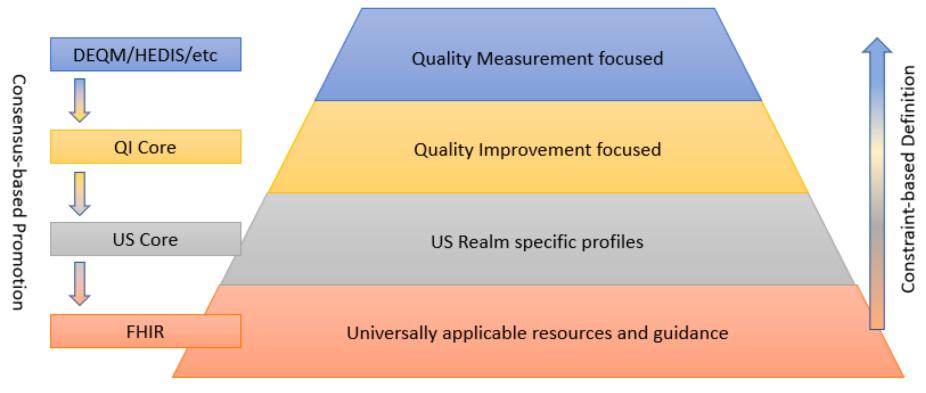
Interim Reporting, Gaps in Care: May 2020 Connectathon, September ballot

Submit Data, Collect Data, Subscription

POST

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Quality Measure Data Interchange



http://hl7.org/fhir/us/cqfmeasures/2020Feb/